

## ABSTRACT OF THE DISCLOSURE

A circuit simulating apparatus includes a netlist extracting unit extracting a netlist from circuit diagram data, an unnecessary circuit disconnecting unit forming a netlist with an unnecessary circuit disconnected, from the netlist extracted by the netlist extracting unit, based on an unnecessary circuit disconnecting terminal designated by an unnecessary circuit disconnecting terminal designating unit, and a circuit simulation unit performing a circuit simulation using a simulation input file formed by using the netlist with the unnecessary circuit disconnected. As the circuit simulation is performed using the simulation input file formed from the netlist with the unnecessary circuit disconnected, the time necessary for the circuit simulation can be reduced.